

Declaration of Antony Fields
U.S.S.N. 10/081,569

EXHIBIT 1 OF FANN DECLARATION

CURRICULUM VITAE

JAMES I. FANN, M.D.

BUSINESS ADDRESS:

Section of Cardiothoracic Surgery
VA Palo Alto Health Care System
3801 Miranda Avenue, MS 112E
Palo Alto, CA 94304
(650) 858-3917
FAX: (650) 852-3430

Department of Cardiothoracic Surgery
Stanford University Medical Center
300 Pasteur Drive
Stanford, CA 94305
(650) 723-7110
e-mail: jfann@stanford.edu

HOME ADDRESS:

65 Prado Court
Portola Valley, CA 94028

PERSONAL:

Birthdate: May 4, 1961
Birthplace: Taipei, Taiwan
Citizenship: United States
Married

STATE OF LICENSURE:

California--License No. G057873

BOARD CERTIFICATION:

Diplomate, National Board of Medical Examiners--No. 304760
Diplomate, American Board of Surgery (issued May 5, 1993)
 Certificate No. 38390
Diplomate, Added Qualifications in General Vascular Surgery (issued May 22, 1995)
 Certificate No. 100533
Diplomate, American Board of Thoracic Surgery (issued June 6, 1997)
 Certificate No. 5950

MEDICAL ORGANIZATIONS:

Fellow, American College of Surgeons
Western Thoracic Surgical Association
Society of Thoracic Surgeons

MEDICAL ORGANIZATIONS (cont.):

American Medical Association
American Heart Association (Scientific Council)
American College of Surgeons, Northern California Chapter
Bay Area Society of Thoracic Surgeons
Twenty-first Century Cardiac Surgery Society
California Medical Association
California Thoracic Society-American Lung Association
Alpha Omega Alpha Medical Honor Society

MEDICAL ORGANIZATION COMMITTEE

Program Committee, Western Thoracic Surgical Association

JOURNAL AFFILIATION:

ad hoc Reviewer, **The Annals of Thoracic Surgery**
ad hoc Reviewer, **The Journal of Thoracic and Cardiovascular Surgery**
ad hoc Reviewer, **Journal of American Medical Association**
ad hoc Reviewer, **Circulation**
ad hoc Reviewer, **Journal of Vascular Surgery**
ad hoc Reviewer, **Journal of Endovascular Therapy**

CURRENT POSITION:

2004-Present Associate Professor,
 Department of Cardiothoracic Surgery
 Stanford University School of Medicine
 Stanford, CA 94305

1996-Present Staff Surgeon,
 Section of Cardiothoracic Surgery
 Veterans Affairs Health Care System
 Palo Alto, CA 94304

2002-Present Staff Surgeon
 El Camino Hospital
 2500 Grant Road
 Mountain View, CA 94039

PREVIOUS APPOINTMENT

1996-2000 Clinical Assistant Professor,
 Department of Cardiothoracic Surgery
 Stanford University School of Medicine
 Stanford, CA 94305

PREVIOUS APPOINTMENT (cont.)

2000-2004 Assistant Professor,
 Department of Cardiothoracic Surgery
 Stanford University School of Medicine
 Stanford, CA 94305

CLINICAL PERFORMANCE:

2002 Clinical Program of Excellence in Cardiac Surgery, VA Palo Alto HCS
(Under Secretary of Health's Award)

1999 Clinical Program of Excellence in Cardiac Surgery, VA Palo Alto HCS
(Under Secretary of Health's Award)

TEACHING AND ADVISORSHIP:

2002-2004 Director, Course for preclinical medical students: Operative Anatomy and Techniques, Stanford Medical School (Surg 254)

2002-2004 Lecturer, Medical Student Surgery Clerkship 300

2003-2004 Lecturer, Cardiology Core Curriculum, Stanford University

2002 Mentor to Emily Ma, Mohammed Abdoolcarim, and Thomas Guillame, B.S. Course on Medical Device Design in the Mechanical Engineering Department (Topic: Cardiac valve prostheses), Stanford University

2001 Mentor, Fellowship in the Stanford Biomedical Technology Innovation Program

2000-2001 Mentor to Adrian James, B.S., M.S., Michael Murillo, B.S., Kenneth Horne, B.S.: Graduate course on Medical Device Design in the Mechanical Engineering Department, Stanford University, and Independent Study in Mechanical Engineering (Topic: Arterial anastomosis), Stanford University

1999-2000 Advisor to Miguel Canales, M.D., Surgical resident, Fellow in Perioperative Management at Stanford University

1999-2000 Advisor to Volkmar Falk, M.D., Fellow and Research Associate in Minimally Invasive Heart Surgery, Stanford University

1996-1999 Lecturer, Intensive Care Rotation, VA Palo Alto

HOSPITAL COMMITTEES:

2002-present Chairman, Animal Care Subcommittee – VA Palo Alto

1999-Present Member, Animal Care Subcommittee – VA Palo Alto

1998-Present Member, Transfusion Committee – VA Palo Alto

1996 Member, Surgical Resident Review Committee – VA Palo Alto

1996 Member, Operating Room Move Committee – VA Palo Alto

MEDICAL SCHOOL COMMITTEE:

2000-Present Panel on Medical School Admission – Stanford University

POSTGRADUATE SURGICAL EDUCATION:

1995-6 Chief Resident, Cardiac Surgery and Cardiopulmonary Transplantation,
Stanford University Medical Center
Chairman: Bruce A. Reitz, M.D.

1994-5 Chief Resident, Thoracic Surgery, Stanford University Medical Center

1993-6 Resident, Cardiothoracic Surgery, Stanford University Medical Center
Chairman: Bruce A. Reitz, M.D.

1992-3 Fellow, Vascular Surgery, Stanford University Medical Center
Chairman: Norman E. Shumway, M.D.
Program Director: D. Craig Miller, M.D.

1991-2 Chief Resident, General Surgery, Stanford University Medical Center
Chairman: John Niederhuber, M.D.

1985-7,
89-91 Intern and Resident, General Surgery, Stanford University Medical Center
Chairman: John A. Collins, M.D.

MEDICAL EDUCATION:

1981-5 Northwestern University Medical School
Doctorate in Medicine
Graduation with Distinction
Alpha Omega Alpha
President, Medical Student Senate
Representative, Medical Student Senate
Teaching Assistant, Gross Anatomy Course

UNDERGRADUATE EDUCATION:

1979-83 Northwestern University
Honors Program in Medical Education
Bachelor of Science in Medicine
National Merit Scholar
Alpha Lambda Delta
Phi Eta Sigma
Spence Reese Scholar, Boys' Clubs of San Diego
Rockwell International Merit Scholar

RESEARCH:

2002-present VA Cooperative Trial of Off-pump vs. On-pump Coronary Artery Bypass
Participant: VA Palo Alto HCS
Principal investigator: John Giacomini, M.D.
Co-investigators: Thomas Burdon, M.D., and James Fann, M.D.

RESEARCH (cont.):

2000-2001 Animal Protocol: Minimally invasive mitral valve procedures
Evalve, Inc, Administered via PAIRE, VA Palo Alto
Principal investigator: James Fann, M.D.
Co-investigator: Thomas Burdon, M.D.

1998-2000 Animal Protocol: Phasic flow characteristics in canine coronary arteries
Ventrica, Inc., Administered via PAIRE, VA Palo Alto
Principal investigator: James Fann, M.D.
Co-investigator: Thomas Burdon, M.D.

1997 Protocol, Stanford University: Clinical evaluation of transillumination system
Heartport port-access coronary artery bypass
Principal investigator: Bruce A. Reitz, M.D.
Co-investigators: John H. Stevens, M.D., Thomas A. Burdon, M.D., Mario F. Pompili, M.D., and James Fann, M.D.

1987-9 Carl and Leah McConnell Cardiovascular Surgery Postdoctoral Research Fellow, Stanford University: Effects of prostanooids and omega-3 fatty acids in atherogenesis; left ventricular regional strain analysis; mitral subvalvular apparatus and left ventricular systolic function.
Laboratory Director: D. Craig Miller, M.D.

1984 Senior Elective in Surgical Research, Northwestern University Medical School: Endocardial electrophysiologic mapping.
Laboratory Director: Jerod M. Loeb, Ph.D., and John M. Moran, M.D.

1982 Research Assistant, Cardiovascular Physiology Laboratory, and Northwestern University Medical School: Endocardial electrophysiologic mapping.
Laboratory Director: Jerod M. Loeb, Ph.D. and John M. Moran, M.D.

1982 NIH Medical Student Short Term Research Training Grant: Surgical approach to drug-refractory ventricular tachycardia using intraoperative endocardial electrophysiologic mapping.
Laboratory Director: Jerod M. Loeb, Ph.D. and John M. Moran, M.D.

PRESENTATIONS:

May 1984 Fann JI, Loeb JM, LoCicero J, Frederiksen JW, Moran JM. Endocardial activation mapping and endocardial pace-mapping a new balloon electrode. Presented at the 1984 Cardiovascular Research Seminar, Chicago Heart Association, Maywood, IL.

Oct. 1984 Fann JI, Loeb JM, LoCicero J, Frederiksen JW, Moran JM. Intraoperative endocardial activation mapping and intraoperative endocardial pace-mapping using a new balloon electrode. Presented at the American College of Surgeons 70th Annual Clinical Congress, San Francisco.

PRESENTATIONS (cont.):

May 1987 Fann JI, Hartman GE, Shochat SJ. "Waterseal" gastrostomy in the management of premature infants with tracheoesophageal fistula and pulmonary insufficiency. Abstract presented at the 18th Annual Meeting of the **American Pediatric Surgical Association**, Hilton Head.

Nov. 1988 Fann JI, Sarris GE, Miller DC, Mitchell RS, Stinson EB, Shumway NE. Surgical treatment of acute aortic dissection in patients presenting with a stroke. Abstract presented at the **American Heart Association**, Washington D.C.

Jan. 1989 Fann JI, Sarris GE, Miller DC, Mitchell RS, Oyer PE, Stinson EB, Shumway NE. Treatment of patients with acute aortic dissection presenting with peripheral vascular complications. Abstract presented at the 4th Annual Meeting of the **Western Vascular Society**, Kauai, Hawaii.

May 1989 Fann JI. Treatment of patients with aortic dissection presenting with peripheral vascular complications. Presentation at the **Northern California Vascular Society**, San Francisco.

Nov. 1989 Fann JI, Sokoloff MH, Sarris GE, Yun KL, Kosek JC, Miller DC. The reversibility of vein graft arterialization. Abstract presented at the **American Heart Association**, New Orleans.

Apr. 1990 Fann JI, Sarris GE, Ingels NI, Niczyporuk MA, Yun KL, Daughters GT, Derby GC, Miller DC. Regional left ventricular epicardial and endocardial finite deformations in conscious dogs. Abstract presented at the **Federation of American Society of Experimental Biologists**, Washington D.C.

May 1990 Fann JI. The reversibility of canine vein graft arterialization. Presentation at the **Emile Holman Surgical Conference at Stanford University Medical Center**.

May 1990 Fann JI, Glower DD, Shumway NE, Rankin JS, Wolfe WG, Miller DC. Preservation of aortic valve in patients with type A aortic dissection complicated by aortic valvular regurgitation. Abstract presented at the **American Association of Thoracic Surgeons**, Toronto.

Nov. 1992 Fann JI, Yun KL, Niczyporuk MA, Sarris GE, Ingels NB, Daughters GT, Derby GC, Miller DC. Subepicardial and subendocardial end-systolic finite deformations do not change with preload reduction. Abstract presented at the **American Heart Association**, New Orleans.

Dec. 1992 Fann JI. Topics in vascular surgery--Challenges in vascular nursing. Center for Education and Professional Development. **Stanford University Medical Center**.

Feb. 1994 Fann JI. Overview--The symptomatic aneurysm: Whom to screen, how to screen, what to do, and when. **Vascular Disease Symposium, Stanford University Medical Center**.

PRESENTATIONS (cont.):

Nov. 1994 Fann JI, Smith JA, Miller DC, Mitchell RS, Moore K, Oyer PE, Stinson EB, Reitz BA, Shumway NE. Surgical management of aortic dissection over 30 years. Abstract presented at the **American Heart Association**, Dallas.

Jan. 1996 Fann JI, Miller DC, Moore KA, Mitchell RS, Oyer PE, Stinson EB, Robbins RC, Reitz BA, Shumway NE. Twenty-year experience with porcine bioprosthetic heart valves. Abstract presented at the **Society of Thoracic Surgeons**, Orlando.

Oct. 1996 Fann JI. Endovascular stent-grafting of thoracic aortic aneurysms. Presented at the **International Symposium on Aortic Surgery**, Hospital de Navarra, Pamplona, Spain.

Oct. 1996 Fann JI. Benign cardiac tumor in the right ventricular outflow tract presenting as pulmonary hypertension. Presented at the **American College of Chest Physicians**, San Francisco.

Nov. 1996 Fann JI. Closed chest cardiac surgery. Presentation at **Columbia/San Jose Medical Center**, San Jose, California.

Jan. 1997 Fann JI. Endovascular stent-grafting of descending thoracic aortic aneurysms. Presented at the 5th Annual Meeting of the **Asian Society of Cardiovascular Surgery**, Taipei, Taiwan.

Jan. 1997 Fann JI. Chaired session: Aortic Disease. 5th Annual Meeting of the **Asian Society of Cardiovascular Surgery**, Taipei, Taiwan.

Mar. 1997 Fann JI, Peters WS, Burdon TA, Stevens JH, Pompili MF, Rosenfeldt FI, Reitz BA. Port-access two-vessel coronary revascularization in the dog. Presented at the **American College of Cardiology** 46th Annual Scientific Session, Anaheim.

Sept. 1997 Fann JI. Port-access cardiac surgery. Presented at the 5th Annual Symposium of the **California Center for Cardiac Surgery**. Thousand Oaks, California.

Sept. 1997 Fann JI. Minimally invasive cardiac surgery. Presented at the Postgraduate Course "The Impact of New Technology on Surgical Practice", **Stanford University School of Medicine**, Stanford.

Sept. 1997 Fann JI. Minimally invasive cardiac surgery. Presented at the **AmSECT Region III Meeting**, Charleston, South Carolina.

Oct. 1997 Fann JI. Minimally invasive coronary artery bypass surgery. Presented at the 9th Annual **Cardiovascular Update Seminar**, **Sutter Roseville Medical Center**, Sacramento, California.

Oct. 1997 Fann JI. Minimally invasive heart surgery. Presented at "Frontiers in Vascular Disease '97", **Stanford University School of Medicine**, Pebble Beach, California.

PRESENTATIONS (cont.):

Oct. 1998 Fann JI. Ascending aortic aneurysm and aortic valve disease: Is there an optimal approach? Advances in Cardiovascular Surgery Therapy Symposium, **Transcatheter Cardiovascular Therapeutics**, Washington, D.C.

Oct. 1998 Fann JI. Cardiac surgery and cardiac transplantation: The Stanford experience. **Grand Rounds at Tianjin Chest Hospital**, Tianjin, China.

Nov. 1999 Fann JI. Minimally invasive cardiac surgery. **Windhover Information 2nd Annual Symposium**, Laguna Niguel, California.

May 2003 Fann JI. Lung volume reduction using bronchoscopically deployed endobronchial valve devices. **American Thoracic Society 99th International Conference**, Seattle, Washington.

June 2003 Fann JI. Discussant of Saunders PC, et al. Minimally invasive technology for mitral valve surgery via left thoracotomy. **29th Annual Meeting of the Western Thoracic Surgical Association**, Carlsbad, California.

Sept 2003 Fann JI. Ischemic mitral regurgitation: mechanisms and management. Presented at the **Kaiser Permanente COAST Conference**, Lake Tahoe, California.

Sept 2003 Fann JI. Management of valvular heart disease. Breakfast session panel. **Kaiser Permanente COAST Conference**, Lake Tahoe, California.

Nov 2003 Fann JI, St. Goar FG, Komtebedde J, Oz MC, Block PC, Foster E, Feldman T, Burdon TA. Off-pump edge-to-edge mitral valve technique using a mechanical clip in a chronic model. Abstract to be presented at the **American Heart Association**, Orlando, Florida.

June 2004 Fann JI. Moderator, Scientific Session. **30th Annual Meeting of the Western Thoracic Surgical Association**, Maui, Hawaii.

June 2004 Fann JI. Discussant of Yun KL, et al. Randomized trial of open vs. endoscopic vein harvest for coronary artery grafting (CABG): Six-month patency rates. **30th Annual Meeting of the Western Thoracic Surgical Association**, Maui, Hawaii.

PUBLICATIONS:

ABSTRACTS:

1. Fann JI, Sarris GE, Miller DC, Mitchell RS, Stinson EB, Shumway NE. Surgical treatment of acute aortic dissection in patients presenting with a stroke. **Circulation** 1988; 78 (suppl II): II-235.
2. Sarris GE, Fann JI, Niczyporuk MA, Derby GC, Harden CE, Miller DC. Importance of mitral subvalvular apparatus of left ventricular systolic performance. **Circulation** 1988; 78 (suppl II): II-379.

ABSTRACTS (cont.):

3. Sarris GE, Fann JI, Handen CE, Sokoloff MH, Kosek J, Smith DL, Willis AL, Cooper AD, Miller DC. Mechanism of fish oil inhibition of canine vein graft arteriosclerosis. *Circulation* 1988; 78 (suppl II): II-234.
4. Sokoloff MH, Sarris GE, Fann JI, Kosek J, Kwei G, Stephens R, Miller DC. Effect of fish oil supplementation on homozygous and heterozygous Watanabe rabbits. *Circulation* 1988; 78 (suppl II): II-572.
5. Fann JI, Sokoloff MH, Sarris GE, Yun KL, Kosek JC, Miller DC. The reversibility of vein graft arterialization. *Circulation* 1989; 80 (suppl II): II-226.
6. Yun KL, Fann JI, Derby GC, Niczyporuk MA, Handen CE, Bolger AF, Miller DC. Importance of mitral chordae tendinae (CT) in terms of segmental systolic wall function. *Circulation* 1989; 80 (suppl II): II-425.
7. Glower DD, Fann JI, Speier RH, White WD, Smith LR, Rankin JS, Miller DC, Wolfe WG. Comparison of medical and surgical therapy for uncomplicated descending aortic dissection. *Circulation* 1989; 80 (suppl II): II-24.
8. Fann JI, Sarris GE, Ingels NI, Niczyporuk MA, Yun KL, Daughters GT, Derby GC, Miller DC. Regional left ventricular epicardial and endocardial finite deformations in conscious dogs. *FASEB* 1990; 4: A435.
9. Yun KL, Niczyporuk MA, Sarris GE, Fann JI, Miller DC. Importance of mitral subvalvular apparatus for LV energetics in ejecting canine hearts. *Circulation* 1990; 82 (suppl III): III-397.
10. Yun KL, Rayhill SC, Niczyporuk MA, Fann JI, Zipkin RE, Derby GC, Handen CE, Miller DC. Mitral subvalvular apparatus and systolic LV function in chronically dilated canine hearts. *Circulation* 1990; 82 (suppl III): III-480.
11. Nasserbakht F, Yun KL, Fann JI, Rayhill SC, Kosek JC, Miller DC. The effect of dietary fish oil supplementation on myocardial infarction in swine. *Arteriosclerosis* 1990; 10: 881a.
12. Yun KL, Fann JI, Sokoloff MH, Fong LG, Sarris GE, Billingham ME, Miller DC. Dose response of fish oil and safflower oil on rabbit cardiac graft arteriosclerosis. *Arteriosclerosis* 1990; 10: 876a.
13. Fann JI, Yun KL, Niczyporuk MA, Sarris GE, Ingels NB, Daughters GT, Derby GC, Miller DC. Subepicardial and subendocardial end-systolic finite deformations do not change with preload reduction. *Circulation* 1992; 86 (supp I): I-727.
14. Smith JA, Fann JI, Miller DC, Mitchell RS, Reitz BA, Stinson EB, Oyer PE, Shumway NE. Marfan syndrome: Surgical management of aortic dissection. *Circulation* 1993; 88 (supp I): I-12.
15. Dake MD, Semba CP, Rubin GD, Miller DC, Fann JI, Liddell R. Endovascular stent/graft treatment of thoracic aortic aneurysms. Abstract, Radiological Society of North America, December 1993, Awarded the Summa Cum Laude Distinction. *Radiology* 1993; 189: 364.

ABSTRACTS (cont.):

16. Moon MR, Dake MD, Walker PJ, **Fann JI**, Semba CP, Mitchell RS, Miller DC. Endovascular stent-grafts for descending aortic pathology. Abstract, **Aortic Surgery Symposium IV**, Mount Sinai Medical Center, New York, April 1994.
17. Ingels NB, **Fann JI**, Daughters GT, Nikolic SD, Miller DC. Left ventricular volume is not constant during "isovolumic" contraction and relaxation using standard LV models. **Circulation** 1994; 90 (supp I): I-431.
18. **Fann JI**, Smith JA, Miller DC, Mitchell RS, Moore K, Oyer PE, Stinson EB, Reitz BA, Shumway NE. Surgical management of aortic dissection over 30 years. **Circulation** 1994; 90 (supp I): I-96.
19. Yun KL, **Fann JI**, Miller DC, Mitchell RS, Robbins RC, Oyer PE, Stinson EB, Reitz BA, Shumway NE. Composite vs. separate aortic valve in ascending aortic replacement: 30 year experience. **Circulation** 1996; 94 (supp I): I-175.
20. **Fann JI**, Peters WS, Burdon TA, Stevens JH, Pompili MF, Rosenfeldt FI, Reitz BA. Port-access two-vessel coronary revascularization in the dog. **J Am Coll Cardiol** 1997; 29 (supp A): 466A.
21. **Fann JI**, Harris EJ, Dalman RL. Concomitant carotid endarterectomy and coronary artery bypass grafting. **Pacific Coast Surgical Association** 1999.
22. **Fann JI**, Berry G, Burdon TA. Lung volume reduction using bronchoscopically deployed endobronchial valve devices. **Am J Resp Crit Care Med** 2003; 167: A532.
23. **Fann JI**, St. Goar FG, Komtebedde J, Oz MC, Block PC, Foster E, Feldman T, Burdon TA. Off-pump edge-to-edge mitral valve technique using a mechanical clip in a chronic model. **Circulation** 2003; 108: IV-493.
24. St. Goar FG, **Fann JI**, Komtebedde J, Foster E, Oz MC, Fogarty TJ, Feldman T, Block PC. Catheter-directed mitral valve repair: Acute results in a porcine model. **Circulation** 2003; 108: IV-493.

PAPERS:

1. **Fann JI**, Loeb JM, LoCicero J, Frederiksen JW, Moran JM. Intraoperative endocardial activation mapping and intraoperative endocardial pace-mapping using a new balloon electrode. **Surg Forum** 1984; 35: 273-5.
2. **Fann JI**, Loeb JM, LoCicero J, Frederiksen JW, Moran JM, Michaelis LL. Endocardial activation mapping and endocardial pace-mapping using a balloon apparatus. **Am J Cardiol** 1985; 55: 1076-83.
3. **Fann JI**, Hartman GE, Shochat SJ. "Waterseal" gastrostomy in the management of premature infants with tracheoesophageal fistula and pulmonary insufficiency. **J Ped Surg** 1988; 23: 29-31.
4. **Fann JI**, Cahill PD, Mitchell RS, Miller DC. Regional variability of prostacyclin biosynthesis. **Arteriosclerosis** 1989; 9: 368-373.

PAPERS (cont.):

5. **Fann JI**, Miller DC. Intimal hyperplasia: Possible *in vivo* mechanisms and response to n-3 fatty acids. *J Vasc Surg* 1989; 10: 592-594.
6. **Fann JI**, Angell SK, Cahill PD, Kosek JC, Miller DC. Effects of fish oil on arteriosclerosis in the Japanese quail. *Cardiovascular Res* 1989; 23: 631-638.
7. **Fann JI**, Sarris GE, Miller DC, Mitchell RS, Oyer PE, Stinson EB, Shumway NE. Surgical management of acute aortic dissection complicated by a stroke. *Circulation* 1989; 80 (suppl I): I-257-263.
8. Sarris GE, **Fann JI**, Niczyporuk MA, Derby GC, Handen CE, Miller DC. Importance of mitral subvalvular apparatus of left ventricular systolic performance. *Circulation* 1989; 80 (suppl I): I-24-42.
9. Sarris GE, **Fann JI**, Sokoloff MH, Smith DL, Loveday M, Kosek JC, Cooper AD, May K, Willis AL, Miller DC. Mechanisms responsible for inhibition of vein graft arteriosclerosis by fish oil. *Circulation* 1989; 80 (suppl I): I-109-123.
10. **Fann JI**, Sarris GE, Mitchell RS, Shumway NE, Oyer PE, Stinson EB, Miller DC. Treatment of patients with acute aortic dissection presenting with peripheral vascular complications. *Ann Surg* 1990; 212: 705-13.
11. **Fann JI**, Sokoloff MH, Sarris GE, Yun KL, Kosek JC, Miller DC. The reversibility of canine vein graft arterialization. *Circulation* 1990; 82 (supp IV): 9-18.
12. Yun KL, **Fann JI**, Rayhill SC, Nasserbakht F, Derby GC, Handen CE, Bolger AF, Miller DC. Importance of mitral subvalvular apparatus for left ventricular segmental systolic mechanics. *Circulation* 1990; 82 (supp IV): 89-104.
13. Glower DD, **Fann JI**, Speier RH, Morrison L, White WD, Smith LR, Rankin JS, Miller DC, Wolfe WG. Comparison of medical and surgical therapy for uncomplicated descending aortic dissection. *Circulation* 1990; 82 (supp IV): 39-46.
14. Yun KL, Niczyporuk MA, Sarris GE, **Fann JI**, Miller DC. Importance of mitral subvalvular apparatus in terms of cardiac energetics and systolic mechanics in the ejecting canine heart. *J Clin Invest* 1991; 87: 247-254.
15. **Fann JI**, Glower DD, Miller DC, Yun KL, Rankin JS, White WD, Smith LR, Wolfe WG, Shumway NE. Preservation of the aortic valve in patients with type A aortic dissection complicated by aortic valvular regurgitation. *J Thorac Cardiovasc Surg* 1991; 102: 62-75.
16. Yun KL, Glower DD, Miller DC, **Fann JI**, Mitchell RS, White WD, Rankin JS, Wolfe WG, Shumway NE. Aortic dissection due to transverse arch tear: Is concomitant arch repair warranted? *J Thorac Cardiovasc Surg* 1991; 102: 355-368.
17. Yun KL, **Fann JI**, Sokoloff MH, Fong LG, Sarris GE, Billingham ME, Miller DC. Dose response of fish oil versus safflower oil on graft arteriosclerosis in rabbit heterotopic cardiac allografts. *Ann Surg* 1991; 214: 155-167.

PAPERS (cont.):

18. **Fann JI**, Sarris GE, Ingels NI, Niczyporuk MA, Daughters GD, Yun KL, Derby GC, Miller DC. Regional epicardial and endocardial two-dimensional finite deformations in the canine left ventricle. *Am J Physiol* 1991; 261: H1402-1410.
19. Yun KL, Michie SA, Fann JI, Billingham ME, Miller DC. Effects of fish oil on graft arteriosclerosis and MHC class II antigen expression in rat heterotopic cardiac allografts. *J Heart Lung Transplant* 1991; 10: 1004-1011.
20. Yun KL, Rayhill SC, Niczyporuk MA, **Fann JI**, Zipkin RE, Derby GC, Handen CE, Daughters GI, Ingels NB, Bolger AF, Miller DC. Mitral valve replacement in dilated canine hearts with chronic mitral regurgitation. Importance of the mitral subvalvular apparatus. *Circulation* 1991; 84: 112-124.
21. Yun KL, Rayhill SC, Niczyporuk MA, **Fann JI**, Derby GC, Miller DC. Left ventricular mechanics and energetics in the dilated canine heart: Acute versus chronic mitral regurgitation. *J Thorac Cardiovasc Surg* 1992; 104: 26- 39.
22. **Fann JI**, Dalman RL. Heritable arteriopathy. *Sem Vasc Surg* 1993, 6: 46-55.
23. **Fann JI**, Harris EJ, Jr., Dalman RL. Extra-anatomic bypass. *Ann Vasc Surg* 1993, 7: 378-383.
24. **Fann JI**, Vierra M, Fisher D, Oberhelman HA, Cobb L. Pseudomyxoma peritonei. *Surg Gynec & Obst* 1993; 177: 441-447.
25. **Fann JI**, Dalman RL, Harris EJ, Jr. Genetic and metabolic causes of arterial disease. *Ann Vasc Surg* 1994; 7: 594-604.
26. Smith JA, **Fann JI**, Miller DC, Mitchell RS, Reitz BA, Stinson EB, Oyer PE, Shumway NE. Marfan syndrome: Surgical management of aortic dissection. *Circulation* 1994; 90 (Part II): II-235-242.
27. **Fann JI**, Wyatt J, Frazier RL, Cahill JL. Symptomatic brachial artery aneurysm in a child. *J Ped Surg* 1994; 29: 1521-23.
28. **Fann JI**, Miller DC. Management of ascending aortic dissections. *ACC Current Journal Review* 1995; May/June: 39-41.
29. **Fann JI**, Miller DC. Aortic dissection. *Ann Vasc Surg* 1995; 9: 311-323.
(French translation: **Fann JI**, Miller DC. Dissections aortiques. *Ann Chir Vasc* 1995; 9: 311-323.)
30. DeAnda A, Moon MR, Nikolic SD, Castro LJ, **Fann JI**, Daughters GT, Ingels NB, Miller DC. A method to assess endocardial regional longitudinal curvature of the left ventricle. *Am J Physiol* 1995; 268:2553-H2560.
31. **Fann JI**, Dake MD, Semba CP, Liddell RP, Pfeffer TA, Miller DC. Endovascular stent-grafting after arch aneurysm repair using the "elephant trunk". *Ann Thorac Surg* 1995; 60: 1102-1105.
32. **Fann JI**, Smith JA, Miller DC, Mitchell RS, Moore KA, Grunkemeier G, Stinson EB, Oyer PE, Reitz BA, Shumway NE. Surgical management of aortic dissection over a 30 year period. *Circulation* 1995; 92: II-113-21.

PAPERS (cont.):

33. **Fann JI**, Miller DC. Porcine valves: Hancock and Carpentier-Edwards aortic prostheses. *Sem Thorac Cardiovasc Surg* 1996; 8: 259-268.
34. **Fann JI**, Miller DC, Moore KA, Mitchell RS, Oyer PE, Stinson EB, Robbins RC, Reitz BA, Shumway NE. Twenty-year clinical experience with porcine bioprostheses. *Ann Thorac Surg* 1996; 62: 1301-1312.
35. Moon MR, Mitchell RS, Dake MD, Zarins CK, **Fann JI**, Miller DC. Simultaneous abdominal aortic replacement and thoracic aortic stent-graft placement for multilevel aortic disease. *J Vasc Surg* 1997; 25: 332-340.
36. **Fann JI**, Pompili MF, Stevens JH, Siegel LC, St. Goar FG, Burdon TA, Reitz BA. Port-access cardiac surgery with cardioplegic arrest. *Ann Thorac Surg* 1997; 63: S-35-39.
37. **Fann JI**, Pompili MF, Burdon TA, Stevens JH, St. Goar FG, Reitz BA. Minimally invasive mitral valve surgery. *Sem Thorac Cardiovasc Surg* 1997; 9: 320-330.
38. **Fann JI**, Stevens JH, Pompili MF, Burdon TA, Reitz BA. Minimally invasive coronary artery bypass grafting. *Curr Opin Cardiol* 1997; 12: 482-487.
39. Yun KL, Miller DC, **Fann JI**, Mitchell RS, Robbins RC, Moore KA, Oyer PE, Stinson EB, Shumway NE, Reitz BA. Composite valve graft versus separate aortic valve and ascending aortic replacement: Is there still a role for the separate procedure? *Circulation* 1997; 96 (suppl II): II-368-375.
40. **Fann JI**, Wilson M, Theodore J, Reitz BA. Combined heart and single lung transplantation for complex congenital heart disease. *Ann Thorac Surg* 1998; 65: 823-825.
41. **Fann JI**, Groh MA, Pompili MF, Burdon TA, Reitz BA. Port-access multi-vessel coronary artery bypass grafting. *Operative Tech Card Thorac Surg* 1998; 3: 16-31.
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